

Coursera Capstone Project

IBM Applied Data Science Capstone

Pratik Shukla

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Description of the problem and a discussion of the background.

1.0 Introduction

1.1 Scenario and Background

I am going to do an analysis on Singapore and compare it with Manhattan NY. As I know some great venues and attractions in Singapore, such as international cuisine, entertainment and shopping. I have an offer to move to Manhattan NY and I would like to move if I can find a place to live similar to similar venues.

The key question is : How can I find a convenient and enjoyable place similar to Singapore? Certainly, I can use available real estate apps and Google but the idea is to use and apply myself to the learned tools during the course. In order to make a comparison and evaluation of the rental options in Manhattan NY, I must set some basis, therefore the apartment in Manhattan must meet the following demands:

- apartment must be 2 or 3 bedrooms
- desired location is near a metro station in the Manhattan area and within 1.0 mile (1.6 km) radius
- price of rent not exceed \$7,000 per month
- top amenities in the selected neighborhood shall be similar to current residence
- desirable to have venues such as coffee shops, restaurants Asian Thai, wine stores, gym and food shops

Business Problem:

The challenge is to find a suitable apartment for rent in Manhattan NY that complies with the demands on location, price and venues.